

YEAR 5 WEEKLY LEARNING MAT 10

MATHS ZONE

Keep your times table knowledge in check!
Collect points on Maths shed
<https://www.mathshed.com/en-gb>

Play on
<https://www.topmarks.co.uk/times-tables/coconut-multiples>

Choose a times table you would like to focus on or try one of the mixed challenges.

White rose maths
Summer Term - Week 5 (w/c 18th May)
<https://whiterosemaths.com/homelearning/year-5/>

Lesson 2 - Add fractions
Lesson 3 - Add mixed numbers

Worksheets below learning mat

Can you remember how to answer these questions?

What is zero point two five in digits?
What is four point three two six in digits?

$$8^2 + 9^2 =$$

$$4^3 - 2^3 =$$

ENGLISH ZONE

Listen to/ read the first chapter of Harry Potter and the philosophers stone by J.K. Rowling.

https://www.youtube.com/watch?v=Lr0_IKKiorg

Were you listening carefully...

Complete the chapter 1 quiz here
<https://www.wizardingworld.com/quiz/chapter-quiz-chapter-one-five-questions> There is a link to the answers at the end of the quiz.



Time to be a news reporter!

In 'The Boy Who Lived', we hear on the news that there have been sightings of owls in the daytime and reports of shooting stars. Pretend you're reporting on this story and write a short newspaper article. You will need to think up a headline for your newspaper, as well as a short caption to get people interested!

Use the video and activity attached to learn about the features of a newspaper report. Try to include as many as you can in your report.

<https://www.bbc.co.uk/bitesize/topics/z2yycdm/articles/z2gk9qt>

TOPIC ZONE

Try the BBC Y5 daily lessons
<https://www.bbc.co.uk/bitesize/dailylessons>

Bitesize

Try Oak National Academy lessons
<https://www.thenationalacademy/online-classroom>



Have a go at creating a circuit with a working light bulb.
https://phet.colorado.edu/sims/html/circuit-construction-kit-dc/latest/circuit-construction-kit-dc_en.html

Once you have switched the bulb on, see what happens when you place these objects in the circuit (on the game...not in real life!)
Do they conduct electricity or not?



Read all about how laws are made in the U.K

<https://www.bbc.co.uk/newsround/47029982>

Once you have researched, share what you have learned with someone.
You could prepare a presentation, poster or just discuss what you found!

See if you can make a shadow puppet!

It can be any design.
<https://www.youtube.com/watch?v=OsdMqNlcrs>



Can you share your learning on your class page



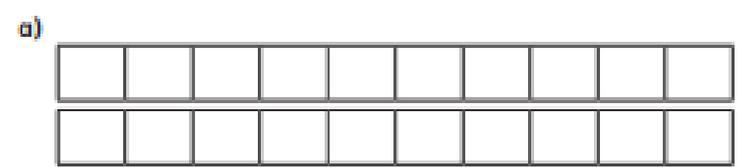
Keep your eye on the school blog for more fun activities to keep you busy!



Add fractions

1 Complete the calculations.

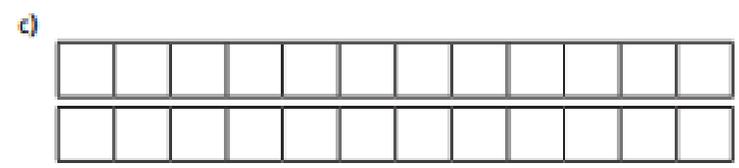
Use the bar models to help you.



$$\frac{1}{2} + \frac{7}{10} = \square = \square$$



$$\frac{1}{2} + \frac{3}{10} + \frac{1}{5} = \square = \square$$



$$\frac{2}{3} + \frac{5}{6} + \frac{1}{12} = \square = \square$$

2 Complete the additions.

a) $\frac{4}{5} + \frac{7}{20} = \square = \square$

d) $\frac{4}{3} + \frac{5}{12} = \square = \square$

b) $\frac{5}{4} + \frac{7}{20} = \square = \square$

e) $\frac{3}{5} + \frac{11}{15} = \square = \square$

c) $\frac{3}{4} + \frac{5}{12} = \square = \square$

f) $\frac{5}{3} + \frac{11}{15} = \square = \square$

3 Match the additions that have the same answer.

$$\frac{3}{5} + \frac{9}{20}$$

$$\frac{16}{20} + \frac{9}{20}$$

$$\frac{3}{4} + \frac{9}{20}$$

$$\frac{12}{20} + \frac{9}{20}$$

$$\frac{4}{5} + \frac{9}{20}$$

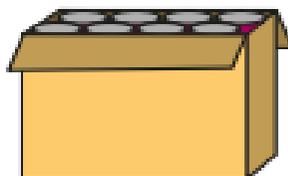
$$\frac{14}{20} + \frac{9}{20}$$

$$\frac{7}{10} + \frac{9}{20}$$

$$\frac{15}{20} + \frac{9}{20}$$

- 4 Dexter has some tins of food. There are four types of food: beans, sweetcorn, soup and tomatoes.

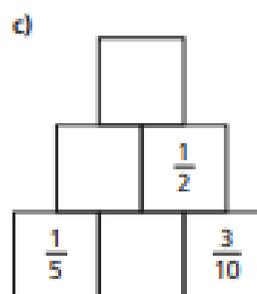
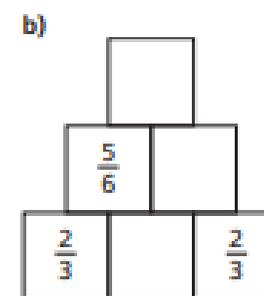
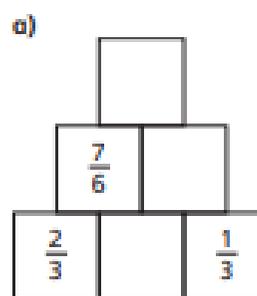
- The total weight of all the tins is 2 kg.
- The tins of beans weigh $\frac{2}{3}$ kg.
- The tins of sweetcorn weigh $\frac{5}{12}$ kg.
- The tins of soup weigh $\frac{1}{4}$ kg.



- a) Work out the total weight of the tins of beans, sweetcorn and soup.

- b) How much do the tins of tomatoes weigh?

- 5 Complete the addition pyramids.



- 6 What could the three missing numerators be?

$$\frac{\square}{4} + \frac{\square}{12} + \frac{\square}{3} = \frac{13}{12}$$

Give three different possibilities.

$$\frac{\square}{4} + \frac{\square}{12} + \frac{\square}{3} = \frac{13}{12}$$

$$\frac{\square}{4} + \frac{\square}{12} + \frac{\square}{3} = \frac{13}{12}$$

$$\frac{\square}{4} + \frac{\square}{12} + \frac{\square}{3} = \frac{13}{12}$$

Add mixed numbers

1 Teddy and Mo are adding mixed numbers.



$$3\frac{1}{4} + 2\frac{5}{8} = 5 + \frac{7}{8} = 5\frac{7}{8}$$

Teddy

$$3\frac{1}{4} + 2\frac{5}{8} = \frac{26}{8} + \frac{21}{8} = \frac{47}{8} = 5\frac{7}{8}$$

Mo



Whose method do you prefer? _____

Talk about it with a partner.

2 Complete the calculations.

a) $1\frac{2}{5} + 2\frac{3}{10} = \square$

b) $2\frac{2}{5} + 2\frac{3}{10} = \square$

c) $1\frac{3}{4} + 3\frac{3}{20} = \square$

e) $4\frac{1}{4} + 2\frac{11}{16} = \square$

d) $1\frac{3}{16} + 4\frac{3}{4} = \square$

f) $1\frac{4}{15} + 3\frac{2}{3} = \square$

3



$$2\frac{3}{5} + 1\frac{7}{10} = 3 + \frac{13}{10} = 3\frac{13}{10}$$

How can Ron improve his answer?

4

Complete the additions.

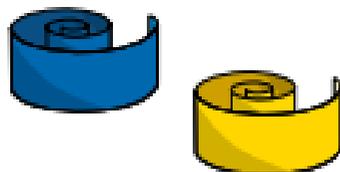
a) $2\frac{3}{4} + 3\frac{5}{12} = \square$

b) $3\frac{2}{3} + 2\frac{7}{12} = \square$

$$c) 5\frac{1}{6} + 3\frac{11}{12} = \square$$

$$d) 6\frac{7}{15} + 3\frac{3}{5} = \square$$

- 5 A blue ribbon is $2\frac{4}{9}$ metres long.



A yellow ribbon is $3\frac{2}{3}$ metres long.

- a) What is the total length of the blue and yellow ribbon?

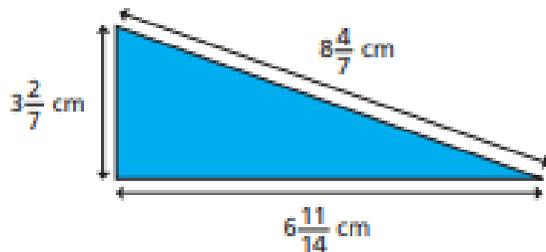
 m

- b) A red ribbon is $1\frac{5}{18}$ metres longer than the yellow ribbon.

How long is the red ribbon?


 m

- 6 Calculate the perimeter of the triangle.



- 7 Complete the calculation in three different ways.

$$\square \frac{\square}{5} + \square \frac{\square}{15} = 6 + \frac{11}{15} = \square$$

$$\square \frac{\square}{5} + \square \frac{\square}{15} = 6 + \frac{11}{15} = \square$$

$$\square \frac{\square}{5} + \square \frac{\square}{15} = 6 + \frac{11}{15} = \square$$

Compare answers with a partner.

- 8 Here are some number cards.



- a) What is the greatest total you can make with two cards?

- b) What is the smallest total you can make with two cards?

